

Title (en)  
Screw grommet

Title (de)  
Halteöse für Schrauben

Title (fr)  
Manchon pour vis

Publication  
**EP 1650447 A1 20060426 (EN)**

Application  
**EP 05020649 A 20050922**

Priority  
• US 62044504 P 20041020  
• US 17203705 A 20050630

Abstract (en)  
A one-piece screw grommet (40) provides improvements in the key areas of screw grommet performance, including lower push-in effort, higher screw retention capabilities, and improved strip torque capabilities. The grommet of the invention that achieves these improvements includes generally a grommet body (44) and a grommet head (42). The body (44) includes four retention legs (46), with two retention legs positioned on a body wall and two retention legs positioned on an opposite body wall. The grommet (40) further includes four support ribs (48) that extend between a screw boss (50) and the body walls (52,54,56,58).

IPC 8 full level  
**F16B 37/04** (2006.01)

CPC (source: EP US)  
**F16B 37/043** (2013.01 - EP US)

Citation (search report)  
• [A] US 3869958 A 19750311 - MURAYAMA HIROO  
• [A] DE 9001042 U1 19900405  
• [A] US 2004057812 A1 20040325 - SCHATY HARALD [DE]  
• [A] EP 1380758 A1 20040114 - NEWFREY LLC [US]  
• [A] EP 0441691 A1 19910814 - COMET [FR]  
• [A] DE 19829542 A1 20000105 - BEHR GMBH & CO [DE]

Cited by  
US8162579B2; WO2008120055A3

Designated contracting state (EPC)  
DE ES FR GB IT

DOCDB simple family (publication)  
**US 2006083601 A1 20060420**; AU 2005225055 A1 20060504; DE 602005002003 D1 20070927; EP 1650447 A1 20060426; EP 1650447 B1 20070815

DOCDB simple family (application)  
**US 17203705 A 20050630**; AU 2005225055 A 20051019; DE 602005002003 T 20050922; EP 05020649 A 20050922